

- If the wall is restrained At-rest pressure will occur. The threshold varies by reference however generally if the wall can tolerate 0.001H - 0.008H Active pressure can be used.

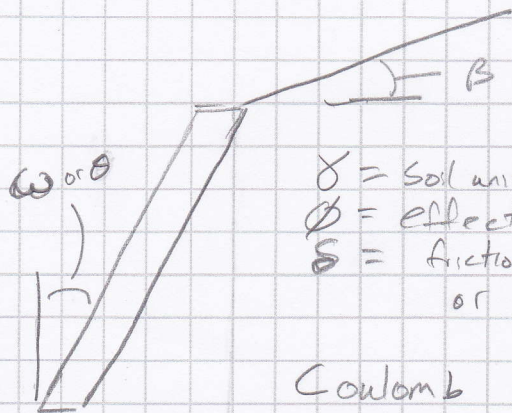
Rankine for No Backslope

$K_a = \tan^2(45 - \phi/2)$

$K_p = \tan^2(45 + \phi/2)$

Active Failure Plane $\alpha_c = 45 - \phi/2$

Passive " " $\alpha_c = 45 + \phi/2$



$\delta =$ Soil unit wt
 $\phi =$ effective friction angle
 $\delta =$ friction Angle between wall and soil or between different soil zones

Coulomb Theory - accounts for wall batter